November Test 



1. Choose the correct answer. (5 marks)

a. Since 9 × 4 = 36 , then 0.09 × 0.4 = ...

A. 36 B. 3.6 C. 0.36 D. 0.036

b. 2,215 ÷ 15 = 147 R ....

A. 15 B. 10 C. 5 D. 0

c. 5,508 = ...

A. 54 × 342 B. 36 × 153 C. 61 × 281 D. 32 × 372

d. 2 × .... = 2,000

A. 10 B. 100 C. 1,000 D. 10,000

e. 876 × 72 is near close to ....

A. 56,000 B. 5,600 C. 63,000 D. 72,000

2. Complete. (5 marks)

a. 14.14 × 0.1 = ...

b. 34 × .... = 3,400

c. 15 × 46 = [10 × ....] + [10 × 6] + [5 × 40] + [.......... × 6]

d. 2,731 ÷ 1 = ...

e. 2.41 × 0.2 ≈ .... [to the nearest Tenths]

3. a. Ahmad saved 125 pounds , Manal saved 12 times as Ahmad , Bassem saved 15 times as Ahmad. **How much money they saved ?** (2 marks)

....

....

....

b. Divide using any method you prefer. (3 marks)

1. 65) 5 4 3

2. 1,919 ÷ 19

....

....

November Test 2



1. Choose the correct answer. (5 marks)

a. 3 × 5 Hundredths = ...

A. 1.5 **B.** 0.15 **C.** 15 **D.** 0.015

b. If 7,785 ÷ 31 = 251 R 4 , then 31 × 251 = ...

A. 7,784 **B.** 7,782 **C.** 7,781 **D.** 7,783

c. 85 × 69 = [80 × 60] + [80 × 9] + [5 × 9] + [............]

A. 5 × 6 **B.** 5 × 60 **C.** 80 × 6 **D.** 50 × 60

d. 320 × 15 = ... Hundreds.

A. 4,800 **B.** 480 **C.** 48 **D.** 4.8

e. 0.15 × 39.8 ☐ 1.5 × 0.398

A. > **B.** < **C.** =

---

2. Complete. (5 marks)

a. If 326 × 7 = 2,282 , then 0.326 × 7 = ...

b. 15 × .... = 15,000

c. 2,002 ÷ 22 = ...

d. If 735 ÷ 21 = 35 , then 35 × 21 = ...

e. In the equation 7,785 ÷ 31 = 251 R 4 , the dividend is ....

---

3. a. If 18 plums are divided equally into 3 bags , then how many plums will be in each bag ? (2 marks)

b. Find. (3 marks)

1. 1,536 ÷ 16 **2.** 2.1 × 0.67 **3.** 18 × 107

November Test 3



1. Choose the correct answer. (5 marks)

a. The decimal point in the product of 3.9×4.23 is after ________ place[s].

A. 1 B. 2 C. 3 D. 4

b. In the equation $36 \div 4 = 9$, the quotient is ________

A. 36 B. 4 C. 9 D. zero

c. What is the ones digit in the product of 36×123 ?

A. 8 B. 6 C. 3 D. 2

d. Quotient × divisor + remainder = ________

A. divisor B. quotient C. remainder D. dividend

e. $0.002 \times 1{,}000$ ☐ $20{,}000 \times 0.001$

A. > B. < C. =

2. Complete. (5 marks)

a. $0 \div 31.564 =$ ________

b. $1{,}515 \div 15 =$ ________

c. $253 \times$ ________ $= [70 + 200\,] + [70 \times 50] + [70 \times 3] + [4 \times 200] + [4 \times 50] + [4 \times 3]$

d. $360 \times 0.1 =$ ________

e. $4.321 \times$ ________ $= 432.1$

3. a. A baker made 135 serving of baklava for a party. If each baking tray holds 11 servings of baklava, how many trays will be needed to hold all the baklava ? (2 marks)

____

____

____

b. Solve each of the following problems using any method you prefer. (3 marks)

1. 32×71

2. 201×32

____

____

Test 1



1 Choose the correct answer : (5 marks)

1. Since $9 \times 4 = 36$, then $0.09 \times 0.4 =$ ....
   (a) 36 (b) 3.6 (c) 0.36 (d) 0.036
2. $2,215 \div 15 = 147$ R ....
   (a) 15 (b) 10 (c) 5 (d) 0
3. 5,508 = ...
   (a) 54×342 (b) 36×153 (c) 61×281 (d) 32×372
4. $2 \times$ .... = 2,000
   (a) 10 (b) 100 (c) 1,000 (d) 10,000
5. 876×72 is near close to ....
   (a) 56,000 (b) 5,600 (c) 63,000 (d) 72,000

2 Complete : (5 marks)

1. $14.14 \times 0.1 =$ ....
2. $34 \times$ .... = 3,400
3. $15 \times 46 = [10 \times$ ...... $] + [10 \times 6] + [5 \times 40] + [$...... $\times 6]$
4. $2,731 \div 1 =$ ....
5. $2.41 \times 0.2 \approx$ .... (to the nearest Tenth)

3 [a] Ahmad saved 125 pounds , Manal saved 12 times as Ahmad , Bassem saved 15 times as Ahmad.

How much money they saved ? (2 marks)

....

....

....

[b] Divide using any method you prefer : (3 marks)

1. 65) 5 4 3
2. $1,919 \div 19$

Test 2



1 Choose the correct answer : (5 marks)

1. 3×5 hundredths = ...
   (a) 1.5 (b) 0.15 (c) 15 (d) 0.015

2. If 7,785 ÷ 31 = 251 R 4 , then 31×251 = ...
   (a) 7,784 (b) 7,782 (c) 7,781 (d) 7,783

3. $85 \times 69 = [80 \times 60] + [80 \times 9] + [5 \times 9] + [\ldots\ldots]$
   (a) 5×6 (b) 5×60 (c) 50×6 (d) 50×60

4. There are .... grams in 15 kilograms.
   (a) 15 (b) 150 (c) 1,500 (d) 15,000

5. 0.15×39.8 ☐ 1.5×0.398
   (a) > (b) < (c) =

2 Complete : (5 marks)

1. If $326 \times 7 = 2,282$, then 0.326×7 = ...
2. $15 \times$ .... = 15,000
3. 20 L = ... mL
4. If 735 ÷ 21 = 35 , then 35×21 = ...
5. The division equation of this bar diagram is .... ÷ 3 = ...

30		
10	10	10

3 [a] If 18 plums are divided equally into 3 bags , then how many plums will be in each bag ? (2 marks)

....

[b] Find : (3 marks)

1. 1,536 ÷ 16 2. 2.1×0.67 3. 18×107

Test 3

Total mark
....
15

1 Choose the correct answer : (5 marks)

1. The decimal point in the product of 3.9×4.23 is after .... places.
   ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4
2. In the equation $36 \div 4 = 9$, the quotient is ....
   ⓐ 36 ⓑ 4 ⓒ 9 ⓓ zero
3. What is the ones digit in the product of 36×123 ?
   ⓐ 8 ⓑ 6 ⓒ 3 ⓓ 2
4. Quotient × divisor + remainder = ...
   ⓐ divisor ⓑ quotient ⓒ remainder ⓓ dividend
5. $0.002 \times 1,000$ ☐ $20,000 \times 0.001$
   ⓐ > ⓑ < ⓒ =

2 Complete : (5 marks)

1. $0 \div 31.564 =$ ....
2. 7 m. = ... cm.
3. $253 \times$ .... $= [70 + 200] + [70 \times 50] + [70 \times 3] + [4 \times 200] + [4 \times 50] + [4 \times 3]$
4. $360 \times 0.1 =$ ....
5. $4.321 \times$ .... $= 432.1$

3

[a] A baker made 135 serving of baklava for a party. If each baking tray holds 11 servings of baklava, how many trays will be needed to hold all the baklava ? (2 marks)

....

....

[b] Solve each of the following problems using any method you prefer : (3 marks)

1. 32×71
2. 201×32

Answers of Test 1

1 1 d 2 b 3 b 4 c 5 c

2 1 1.414 2 100 3 40 , 5 4 2,731 5 0.5

3 [a] What Manal saved = 125 × 12 = 1,500 pounds

What Bassem saved = 125 × 15 = 1,875 pounds

What they saved = 125 + 1,500 + 1,875 = 3,500 pounds

[b] 1

```
      0 0 8
65 ) 5 4 3
    - 5 2 0
      0 2 3
```

543 ÷ 65 = 8 R 23

2

```
      1 0 1
19 ) 1,919
   - 1,900  |100
        19
      - 19  |1
        00
```

Answers of Test 2

1 1 b 2 c 3 b 4 d 5 a

2 1 2.282 2 1,000 3 20,000 4 735 5 30 , 10

3 [a] Number of plums in each bag = 18 ÷ 3 = 6 plums

[b] 1 96 2 1.407 3 1,926

Answers of Test 3

1 1 c 2 c 3 a 4 d 5 b

2 1 0 2 700 3 74 4 36 5 100

3 [a] Number of trays = 135 ÷ 11 = 12 R 3 , then the baker needs 13 trays

[b] 1 32 × 71 = 2,272 2 201 × 32 = 6,432

Model (1)

15 Marks

1 Complete each of the following:

5

a) $35 \times$ .... $= 3{,}500$

b) The operation in the following area model

is .... $\times$ .... = ...

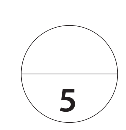
	20	20	2
50	1,000	1,000	100
1	20	20	2

c) $8 \times 15 = (8 \times 10) + (8 \times$ ....)

d) Place the decimal point in the following product $3.65 \times 3.2 = 11.680$

e) $22.35 \times 0.1 =$ ....

2 Choose the correct answer:



a) $0.4 \times 6 = 24$ ....

- tenths
- hundredths
- thousandths
- ones

b) 17×18 .... 20×11

- >
- <
- =
- otherwise

c) $324 \times 19 =$ ....

- 6,188
- 6,156
- 6,498
- 5,498

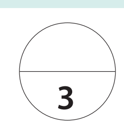
d) If $7{,}785 \div 31 = 251$ R4 , then $31 \times 251 =$ ....

- 7,784
- 7,782
- 7,781
- 7,783

e) $6{,}741 \div 21 =$ ....

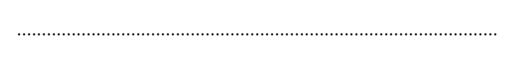
- 123
- 213
- 321
- 312

3 Find the product of each of the following using area model:

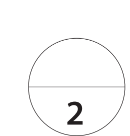


a $231 \times 25 =$ ....

b $4,945 \div 23 =$ ....



4 Read and answer:



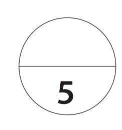
Sara bought 23 pens for L.E. 3.5 each. **How much money did Sara pay?**

....

15 Marks

Model (2)

1 Complete each of the following:



a $0.12 \times 3 =$ ....

b The operation in the following area model

is .... $\times$ .... $=$ ....

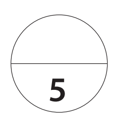
	5	0.6
4	20	2.4
0.2	1.0	0.12

c $18 \times$ .... $= (18 \times 9) + (18 \times 7)$

d The product of the following 5.6×8.4 will have .... decimal digits.

e $6{,}562 \times$ .... $= 6.562$

2 Choose the correct answer:



a 7 tenths $\times$ 6 tenths = ...

- 42 tenths
- 42 hundredths
- 42 thousandths
- 42 ones

b 456×0.1 .... 4.56×10

- >
- <
- =
- otherwise

c $15.3 \times 2.6 =$ ....

- 39.78
- 397.8
- 3.978
- 3978

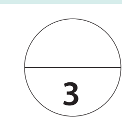
d $2{,}215 \div 15 = 147$ R ....

- 10
- 15
- 5
- 0

e 18.91 kg = ... g

- 1,891
- 1.891
- 18,910
- 189.1

3 **Find each of the following using the mentioned strategy:**



a $6.32 \times 13 =$ ....

(using standard algorithm)

....

....

....

b $2{,}727 \div 23 =$ ....

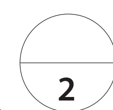
(using the partial quotient)

....

....

....

4 **Read and answer:**



Haytham has 799 marbles, he wants to put them in boxes, each box holds 47 marbles.

How many boxes does he need?

....

15 Marks

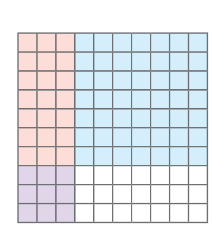
Model (3)

1 Complete each of the following:

5

a 36 cm = ... m

b The operation in the following area model



is .... × .... = ...

c 6.89 × 2.35 ≃ .... (Estimate the product by rounding each factor to the nearest tenths.)

d 86 × 101 .... 8,600 + 86 (> , < or =)

e 3,622 ÷ 31= .... R ....

2 Choose the correct answer:

5

a 63.62 = ... × 0.1

- 6362
- 636.2
- 6.362
- 0.6362

b 823 × .... = 8.23

- 0.1
- 0.01
- 0.001
- 100

c (2.36 × 10) – 1.1 = ...

- 22.4
- 21.4
- 22.5
- 22.6

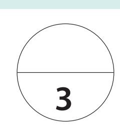
d 6 thousandths × 4 = ...

- 2.4
- 0.24
- 0.024
- 0.0024

e 2,825 ÷ .... = 113

- 26
- 25
- 24
- 27

3 Use the given models to find the product of each problem of the following:



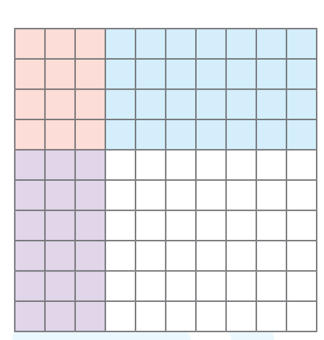
a $0.3 \times 0.4 =$ ....

b $0.3 \times 4 =$ ....

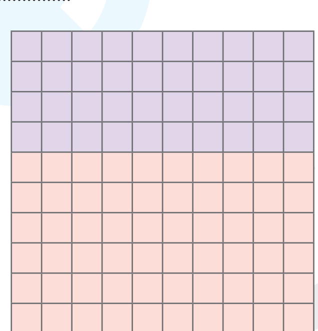
....

....

....



c $1.3 \times 0.4 =$ ....



4 Read and answer:

2

Asmaa bought an electric device for L.E. 2,176 , she will pay this price on 17 equal installments. **How much money will she pay for each installment?**

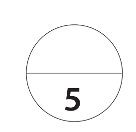
....

Answers

15 Marks

Model (1)

1 Complete each of the following:



a $35 \times 100 = 3,500$

b The operation in the following area model

	20	20	2
50	1,000	1,000	100
1	20	20	2

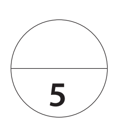
is $51 \times 42 = 2,142$

c $8 \times 15 = (8 \times 10) + (8 \times 5)$

d Place the decimal point in the following product $3.65 \times 3.2 = 11.680$

e $22.35 \times 0.1 = 2.235$

2 Choose the correct answer:



a $0.4 \times 6 = 24$ ....

- tenths
- hundredths
- thousandths
- ones

b 17×18 .... 20×11

- >
- <
- =
- otherwise

c $324 \times 19 =$ ....

- 6,188
- 6,156
- 6,498
- 5,498

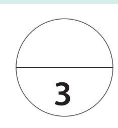
d If $7,785 \div 31 = 251$ R4 , then $31 \times 251 =$ ....

- 7,784
- 7,782
- 7,781
- 7,783

e $6,741 \div 21 =$ ....

- 123
- 213
- 321
- 312

3 Find the product of each of the following using area model:



a 231 × 25 = 5,775

	200	30	1
20	4,000	600	20
5	1,000	150	5

4,000 + 1,000 + 600 + 150 + 20 + 5

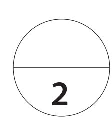
= 5,775

b 4,945 ÷ 23 = 215

	200	10	5
23	4,945 – 4,600 345	345 – 230 115	115 – 115 000

200 + 10 + 5 = 215

4 Read and answer:



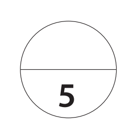
Sara bought 23 pens for L.E. 3.5 each. **How much money did Sara pay?**

What Sara paid = 23 × 3.5 = L.E. 80.5

15 Marks

Model (2)

1 Complete each of the following:



a $0.12 \times 3 =$ 0.36

b The operation in the following area model is 4.2 × 5.6 = 23.52

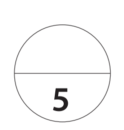
	5	0.6
4	20	2.4
0.2	1.0	0.12

c $18 \times$ 16 $= (18 \times 9) + (18 \times 7)$

d The product of the following 5.6×8.4 will have two decimal digits.

e $6{,}562 \times$ 0.001 $= 6.562$

2 Choose the correct answer:



a 7 tenths × 6 tenths = ...

- 42 tenths
- **42 hundredths**
- 42 thousandths
- 42 ones

b 456×0.1 .... 4.56×10

- >
- <
- **=**
- otherwise

c $15.3 \times 2.6 =$ ....

- **39.78**
- 397.8
- 3.978
- 3978

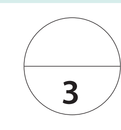
d $2{,}215 \div 15 = 147$ R ....

- **10**
- 15
- 5
- 0

e 18.91 kg = ... g

- 1,891
- 1.891
- **18,910**
- 189.1

3 Find each of the following using the mentioned strategy:



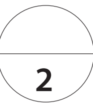
a $6.32 \times 13 =$ 82.16
(using standard algorithm)

```
     6. 3 2
×       1 3
-----------
   1 8 9 6
+ 6 3 2 0
-----------
   8 2. 1 6
```

b $2{,}727 \div 23 =$ 118 R 13
(using the partial quotient)

```
23 | 2 7 2 7
 –   2 3 0 0 | 100
     -------
       4 2 7
 –     2 3 0 | 10
     -------
       1 9 7
 –     1 8 4 | 8
     -------
         1 3
```

4 Read and answer:





Haytham has 799 marbles, he wants to put them in boxes, each box holds 47 marbles.

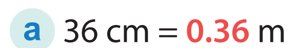
How many boxes does he need?

The number of boxes = 799 ÷ 47 = 17 boxes

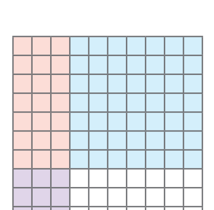
15 Marks

Model (3)

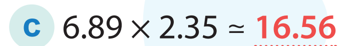
1 Complete each of the following: 5


a 36 cm = 0.36 m


b The operation in the following area model



is 0.3 × 0.7 = 0.21


c 6.89 × 2.35 ≃ 16.56 **(Estimate the product by rounding each factor to the nearest tenths.)**

d 86 × 101 = 8,600 + 86 **(> , < or =)**

e 3,622 ÷ 31= 116 R 26

2 Choose the correct answer: 5

a 63.62 = ... × 0.1

- 6362
- 636.2
- 6.362
- 0.6362

b 823 × .... = 8.23

- 0.1
- 0.01
- 0.001
- 100

c (2.36 × 10) – 1.1 = ...

- 22.4
- 21.4
- 22.5
- 22.6

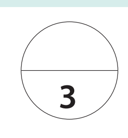
d 6 thousandths × 4 = ...

- 2.4
- 0.24
- 0.024
- 0.0024

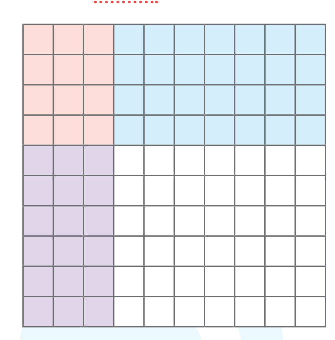
e 2,825 ÷ .... = 113

- 26
- 25
- 24
- 27

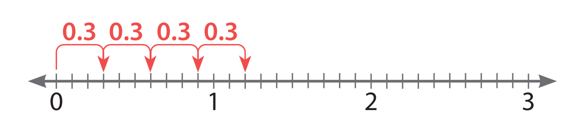
3 **Use the given models to find the product of each problem of the following:**



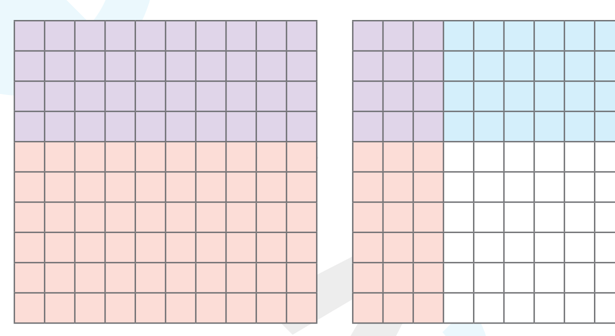
a 0.3 × 0.4 = 0.12



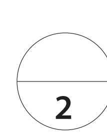
b 0.3 × 4 = 1.2



c 1.3 × 0.4 = 0.52



4 **Read and answer:**



Asmaa bought an electric device for L.E. 2,176 , she will pay this price on 17 equal installments. **How much money will she pay for each installment?**

The value of each installment = 2,176 ÷ 17 = L.E. 128

Test (1)

1 **First: Complete the following:**

1. 3.4 x .... = 3,400
2. .... x 30 = 2,400
3. 36 x 25 = ...
4. 2.83 x 0.2 = ...
5. (400 x 0.7) – 250 = ...
6. 5,600 = (70 x 40) + 140 x ....

Second: Choose the correct answer:

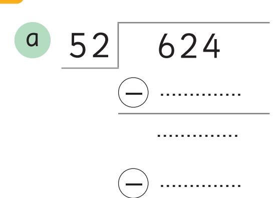
1. 0.4 x .... = 40.0
   - a) 10 b) 100 c) 1,000 d) 10,000
2. 9,600 ÷ 100 = ...
   - a) 9.6 b) 96 c) 0.96 d) 690

2 **Compare by using (<), (>) or (=):**

1. 360 ÷ 4 ◯ 1,800 ÷ 20
2. 5,700 ÷ 57 ◯ 1,000
3. 9,600 ÷ 480 ◯ 40 ÷ 0.5
4. 2.56 ÷ 16 ◯ 1.6

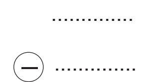
3 **Find the quotient and the remainder (if any) for each of the following:**

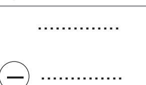
a) 52 ⟌ 624



The quotient = ...

b) 32 ⟌ 6,880





The quotient = ...

c) 15 ⟌ 4,817

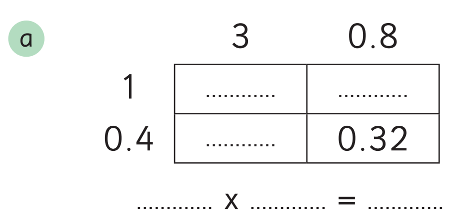
The quotient = ...

The remainder = ...

4 **If the price of 74 notebooks is 1,036 pounds, what is the price of 25 notebooks of the same kind?**

5 **Complete the missing numbers in the following area models, then find the product that each model represents.**

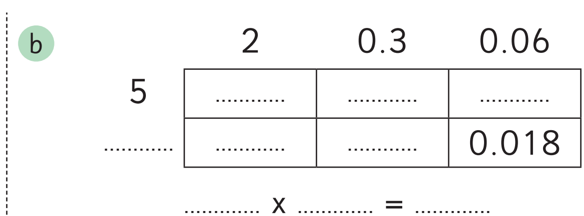
a)



	3	0.8
1	....	....
0.4	....	0.32

.... x .... = ...

b)



	2	0.3	0.06
5	....	....	....
....	....	....	0.018

.... x .... = ...

Test (2)

1 **First: The product of 16 x 7 = 112, so find the product of the following:**

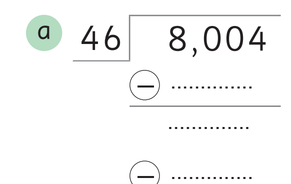
1. 16 x 0.7 = ... 2. 0.16 x 700 = ... 3. 1.6 x 7 = ...
4. 1,600 x 0.07 = ... 5. 16 x 70 = ... 6. 1.6 x 0.7 = ...

Second: Complete the following:

a. 3.6 kilograms = ... grams b. 7,900 cm = ... decimeters
c. 850 meters = ... kilometers d. 2,700 millimeters = ... decimeters

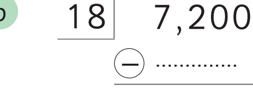
2 **Find the quotient and the remainder (if any) for each of the following by using the standard algorithm:**

a. 46 ⟌ 8,004



The quotient = ...

b. 18 ⟌ 7,200



The quotient = ...

c. 45 ⟌ 2,927

⊖ ....
....
⊖ ....
....

The quotient = ...
The remainder = ...

3 **Complete the following:**

a. If any decimal number is multiplied by 10, the decimal point moves .... (right or left)

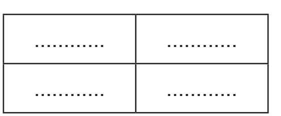
b. If any decimal number is multiplied by 0.01, the decimal point moves .... left.

c. The estimation of the quotient 3,540 ÷ 35 is ....

4 **Find the product of multiplication by using the area model:**

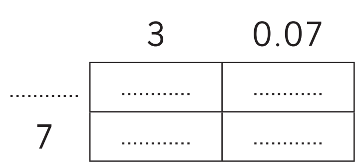


a. 2.3 x 45



....	....
....	....

b. 47 x 3.07



	3	0.07
....	....	....
7	....	....

5 Maryam's family saved money to spend a 5-day vacation in Sharm El-Sheikh and they had two hotels to choose between them. The cost of one night in the first hotel is 3,450 pounds, while the cost of one night in the second hotel is 4,275 pounds. If the family's budget is 20,000 pounds, in which hotel can they spend their vacation? How much will they pay for the hotel they have chosen?

Test (3)

1 **First: Choose the correct answer:**

1. 2.515 x 0.2 = ...
   - a) 0.0503
   - b) 5.0300
   - c) 0.503
   - d) 50.3
2. 1.4076 ÷ 0.23 = ...
   - a) 61.2
   - b) 6.12
   - c) 0.612
   - d) 612

Second: Find the product of the following by using the standard algorithm:

1. 3.56 x 0.1 = ...
2. 0.75 x 2.4 = ...

---

2 **First: Complete the following:**

1. 317.62 – 58.017 = ...
2. 9.42 x .... = 0.942

Second: Which model of the following matches the multiplication algorithm 2,050 x 34:

a)

	2,000	50
3	6,000	150
4	8,000	200

b)

	20	5
30	600	150
4	80	15

c)

	2,000	50
30	60,000	1,500
4	8,000	200

d)

	2	5
30	60	150
4	8	20

---

3 **Put (>), (<) or (=):**

1. 37.9 + 2.3 ◯ 41.7 – 1.3
2. 1 + 0.973 ◯ 58.003 – 57.03
3. 43.5 x 0.4 ◯ 8.7 ÷ 0.5
4. 97.2 ÷ 8.1 ◯ 14.4 ÷ 12



4 **Find the quotient by using the area model:**

a) 22.05 ÷ 7 = ...

	....	0.1	....
7	22.05 ⊖ 21	1.05 ⊖	0.35 ⊖ ....
	....	....	....

22.05 ÷ 7 = ... + ... + ... = ...

b) 371.2 ÷ 3.2 = ...

	....	....	....
32	3,712 ⊖	.... ⊖ 320	.... ⊖ 192
	512	....	0

371.2 ÷ 3.2 = ... + ... + ... = ...

5 The distance between Cairo and Sharm El-Sheikh is 540 kilometers, and the car covered it in 3 parts. In the first part, it covered 130 kilometers, and in the second part, it covered 98 kilometers. What is the distance it will cover in the third part?

Test (4)

1 **Complete the following:**

1. If the value of the digit 5 is 0.05, the place value of the digit 5 is ....
2. If y + 3.16 = 2.9 + 5.73, so y = ...
3. 32.547 ≈ .... (To the nearest Hundredth)

2 **Find the product, then match it to its equivalent.**

3.025 x 42 = ...	127.5	98.4 + 28.95 = ...
1912.5 ÷ 15 = ...	127.35	237 – 109.95 = ...
8.49 x 15 = ...	127.05	1,275 x 0.1 = ...

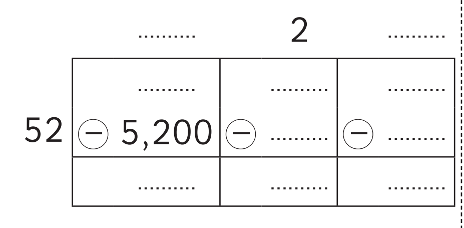
3 **Complete by using the area model:**

	80	9
20	1,600	180
7	560	63

27 x 89 = (.......... x ....) + (.......... x ....) + (.......... x ....) + (.......... x ....)

4 Complete the missing numbers, then find the quotient:

ⓐ 5,382 ÷ 52 = ...



	....	2	....
	....	....	....
52	⊖ 5,200	⊖	⊖ ....
	....	....	....

5,382 ÷ 52 = ... + ... + ...

= 100 + ... + 1 = ...

(The remainder is 26)

ⓑ 9,234 ÷ 81 = ...

	....	....	....	....
	9,234	1,134	....	....
81	⊖	⊖	⊖ 162	⊖ ....
	....	324	162	0

9,234 ÷ 81 = ... + ... + ... = ...

5 Murad's step length is 6.9 decimeters. What is the distance that he will walk (in meters) after taking 1,000 steps?

Test (5)

1 **First: Choose two reasonable estimations for the product of 208 x 32 from the following equations:**

① 200 x 30 = 6,000

② 210 x 30 = 6,300

③ 200 x 35 = 7,000

④ 210 x 35 = 7,350

Second: Which of the following estimation strategies is to estimate the result of multiplying 345 x 82 if the estimation is 28,000:

ⓐ Using the strategy of estimating the number through the first digit from the left.

ⓑ Rounding each number to the nearest Ten.

ⓒ Rounding each number to its greatest place value.

ⓓ Rounding each number to the nearest Hundred.

2 **Use the standard algorithm to find the product of the following by placing each product from the answer bank in the correct column of the following table. One product will remain:**

67 × 25	23 × 55	45 × 33
....	....	....

Answer Bank
1,265
1,485
1,535
1,675

3 **When multiplying a one-digit whole number by 10,000 the place value of the number changes:**

From:	Ten Thousands	Hundreds	Tens	Ones
To:	Ten Thousands	Hundreds	Tens	Ones

4 **A merchant bought 20 boxes of tangerines for 1,780 pounds, and sold all the boxes for 150 pounds each. The merchant followed the steps below to find out what he earned:**

1. He solved the equation 20 x 150 = y
2. He calculated the product 1,780 + y
3. He found out that he earned 4,780 pounds. Is there a mistake in the merchant's solution? What is it?

   a. In step 1: He should have divided the numbers instead of multiplying them.
   b. In step 2: He should have subtracted the values instead of adding them.
   c. In step 3: The merchant made a mistake in addition when he calculated his profit.
   d. The merchant didn't make any mistake.

5 First: Use the area model to find the products of the following:

a) 7 x 5.8 = ...

....	....

b) 3.8 x 35 = ...

....	....
....	....

Second: Use the standard algorithm to find the products of the following:

a)
```
   2.7
 × 5.4
 ------
 ..........
```

b)
```
   2.05
 ×   52
 ------
 ..........
```

c)
```
  54.23
 ×  5.4
 ------
 ..........
```

Answers

Test 1

1 First: (1) 1,000 (2) 80 (3) 900

(4) 0.566 (5) 280 – 250 = 30 (6) 20

Second: (1) b (2) b

2 (1) = (2) < (3) < (4) <

3 a) 12 b) 215 c) 321 (The Remainder is 2)

4 The price of the notebook: 1,036 ÷ 74 = 14 pounds

The price of 25 notebooks = 25 x 14 = 350 pounds

5 a)

	3	0.8
1	3	0.8
0.4	1.2	0.32

1.4 × 3.8 = 5.32

b)

	2	0.3	0.06
5	10	1.5	0.30
0.3	0.6	0.09	0.018

5.3 × 2.36 = 12.508

Test 2

1 **First:** (1) 11.2 (2) 112 (3) 11.2
(4) 112 (5) 1,120 (6) 1.12

Second: (a) 3.600 (b) 790 (c) 0.85 (d) 27

2 (a) 174 (b) 400 (c) 65 (The Remainder is 2)

3 (a) right (b) two places (c) 100

4 (a)

	40	5
2	80	10
0.3	12	1.5

$2.3 \times 45 = 103.5$

(b)

	3	0.07
40	120	2.8
7	21	0.49

$47 \times 3.07 = 144.29$

5 The first hotel, the cost = 17,250 pounds

Test 3

1 **First:** (1) c (2) b

Second: (1) 0.356 (2) 1.8

2 **First:** (1) 259.603 (2) 18

Second: c

3 (1) $<$ (2) $>$ (3) $=$ (4) $>$

4 (a) 3.15 (b) 116

5 312 km

Test 4

1 (a) hundredth (b) $y = 5.47$ (c) 32.55

2 $3.025 \times 42 = 127.05 = 237 - 109.95$, $4.49 \times 15 = 127.35 = 98.4 + 28.95$

$1912.5 \div 15 = 127.5 = 1.275 \times 0.1$

3 $27 \times 89 = (20 \times 80) + (20 \times 9) + (7 \times 80) + (7 \times 9)$

4 (a) 103 (The Remainder is 26) (b) 114

5 $0.69 \times 1,000 = 690$ meters

Test 5

1 **First:** (1) , (2)

Second: (b)

2 1,675 , 1,265 , 1,485

3 From Ones to Ten Thousands

4 (b)

5 **First:** (a) 40.6 (b) 133

Second: (a) 14.58 (b) 106.6 (c) 292.842